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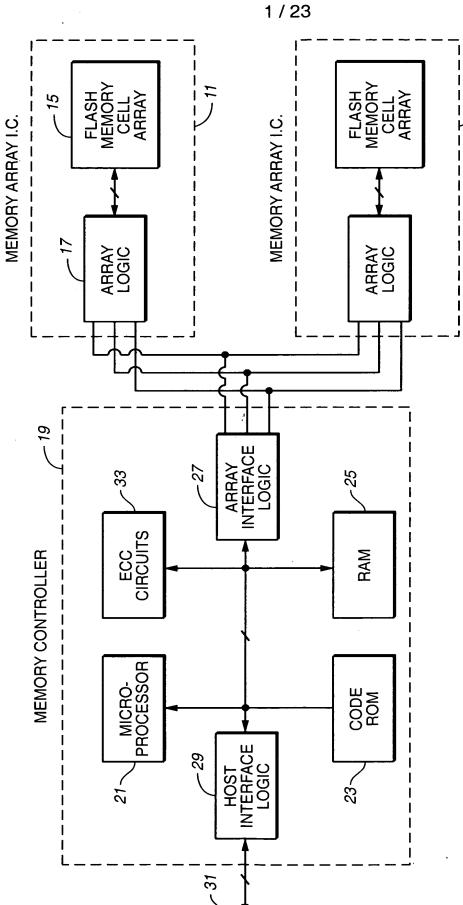
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 Appln. No.: 10/749,189
 Docket No.: SNDK.337USO

 Title: Adaptive Metablocks

 Inventor: Alan Welsh Sinclair
 Conf. No.: 9883

 Filling Date: 12/30/03
 Atty. Tel: (415) 318-1167
 Sheet 1 of 23



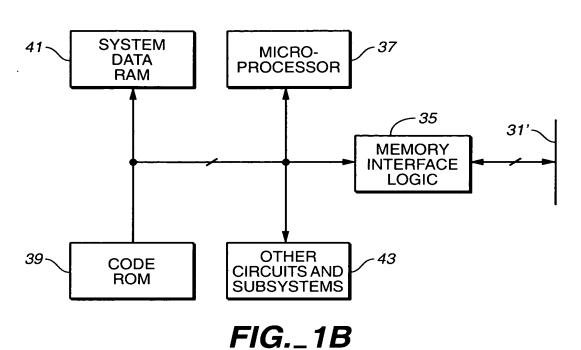
 Appln. No.: 10/749,189
 Docket No.: SNDK.337US0

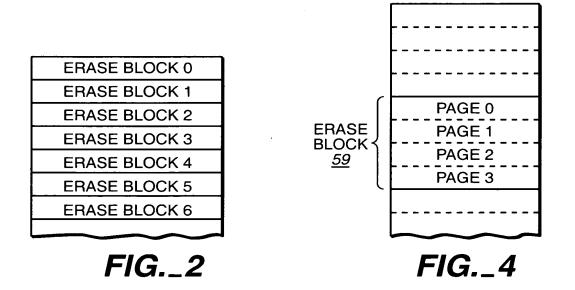
 Title: Adaptive Metablocks

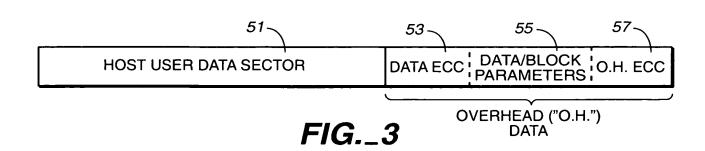
 Inventor: Alan Welsh Sinclair
 Conf. No.: 9883

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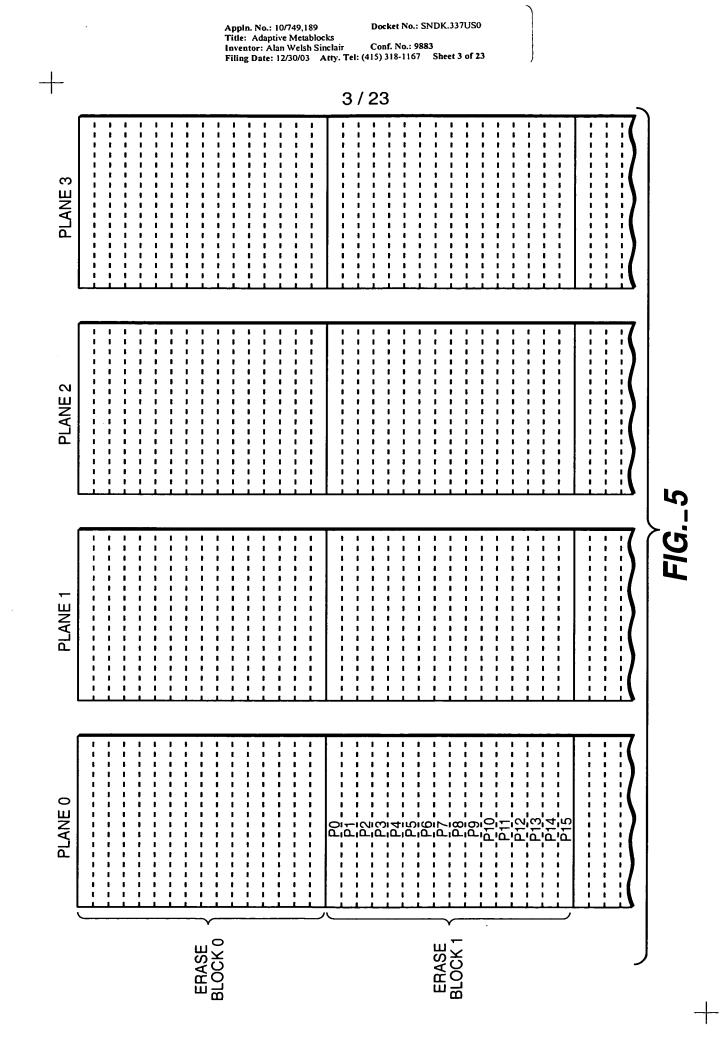
2/23







+

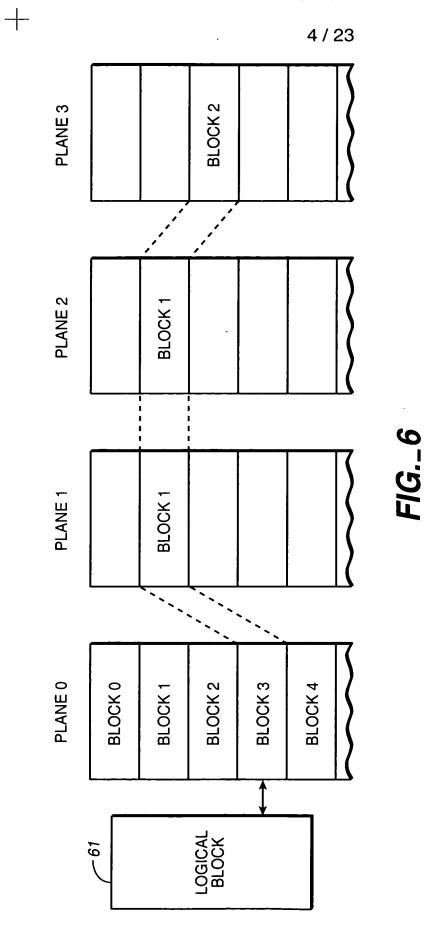


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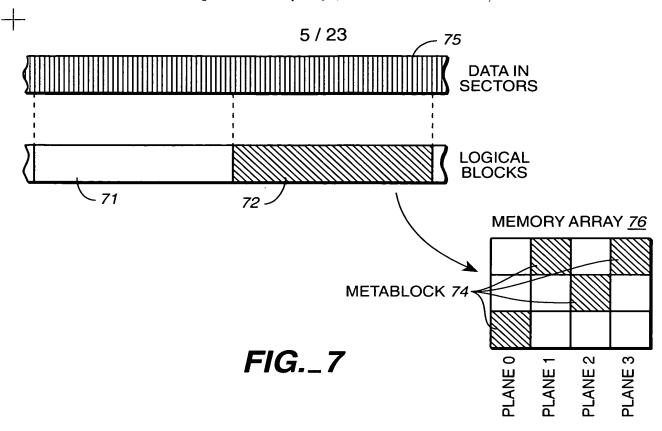
 Inventor: Alan Welsh Sinclair
 Conf. No.: 9883

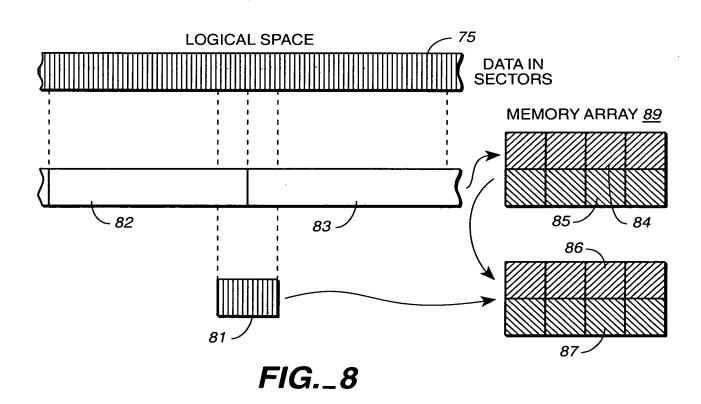
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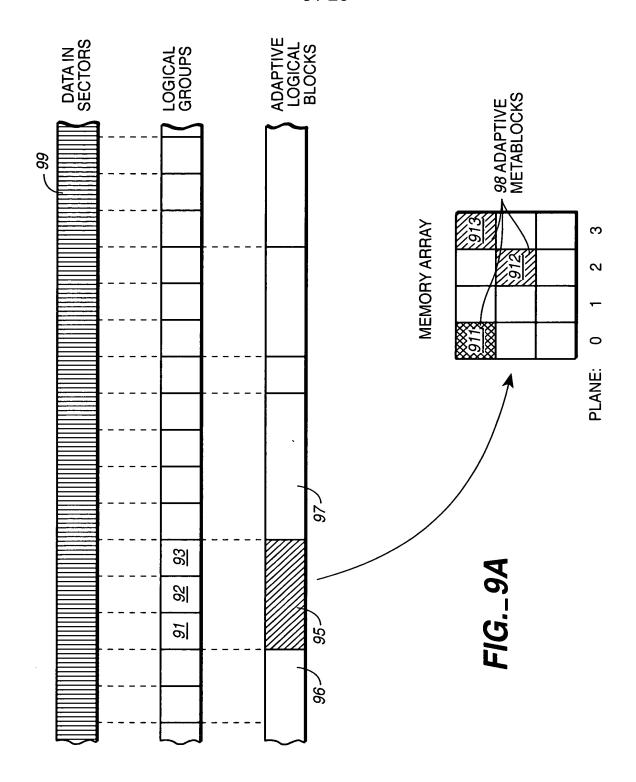
Inventor: Alan Welsh Sinclair Conf. No.: 9883
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Inventor: Alan-Welsh Sinclair Conf. No.: 9883
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Title: Adaptive Metablocks
Inventor: Alan Welsh Sinclair Conf. No.: 9883
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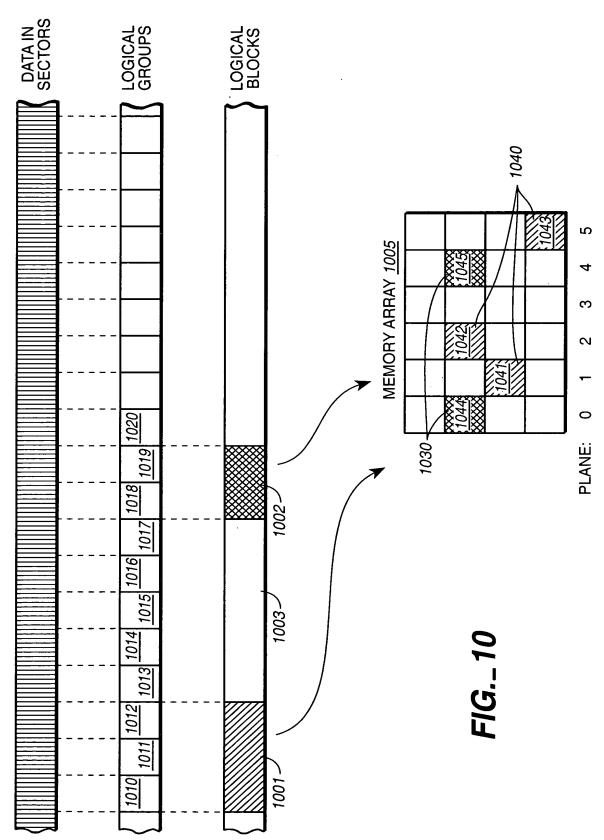
| DATA IN SECTORS | LOGICAL | LOGICAL BLOCKS | | | | |
|---|----------------|----------------------------------|--|--|--|--|
| 3n+2 3n+1 | | | | | | |
| 3n+1 3n 3n-1 | 83 | | | | | |
| 2n+2 2n+1 2n 2n-1 | | יר BLOCK <u>95</u> | | | | |
| n+2 n+1 n | 2 8 | ADAPTIVE LOGICAL BLOCK <u>95</u> | | | | |
| n n-1 • • 4 3 2 SECTOR 1 | 91 | ADA | | | | |
| SECTOR 1 | | | | | | |

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 Title: Adaptive Metablocks

 Inventor: Alan Welsh Sinclair
 Conf. No.: 9883

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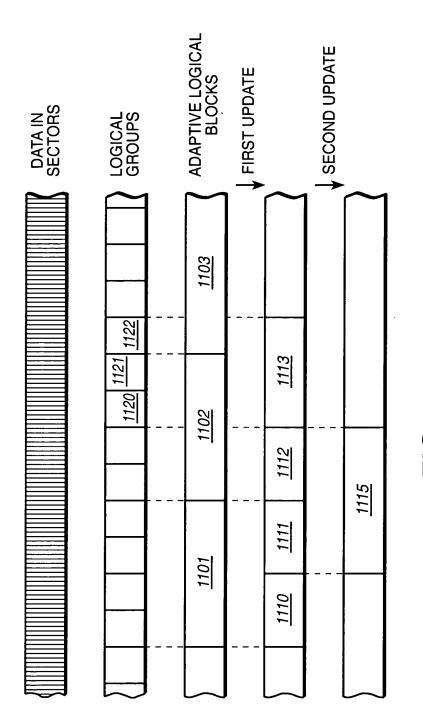


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LOGICAL ADDRESS SPACE

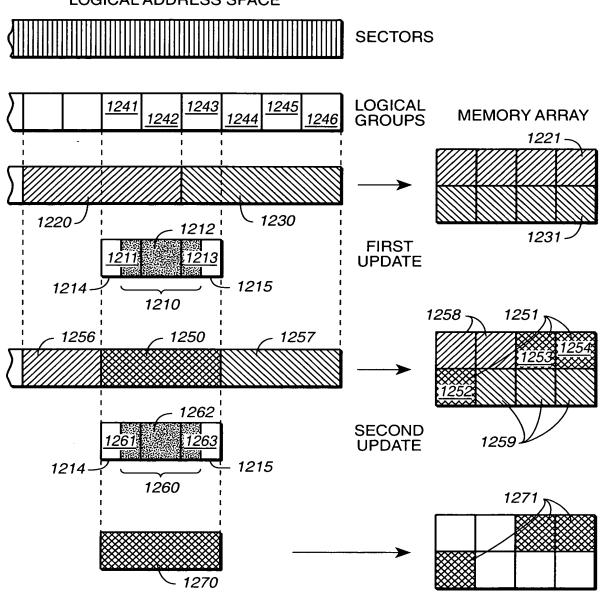
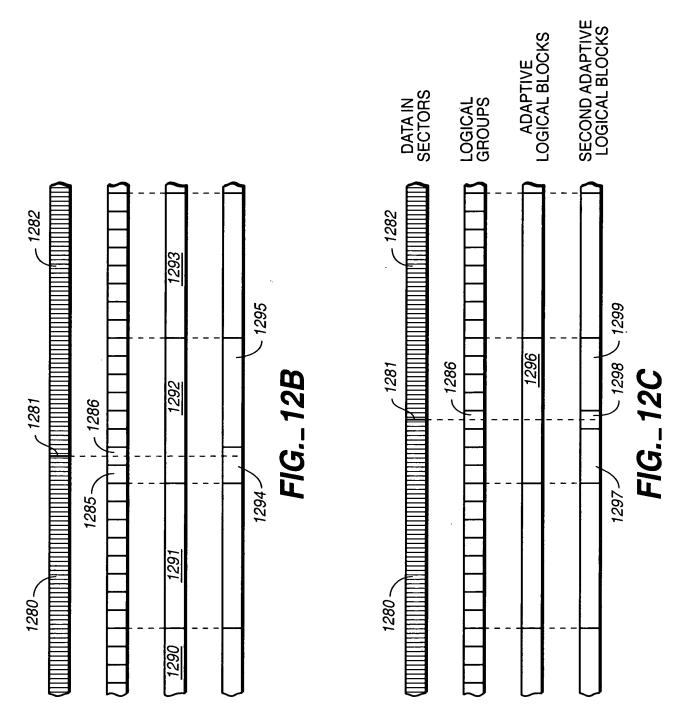


FIG._12A

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 Title: Adaptive.Metablocks
 Inventor: Alan Welsh Sinclair
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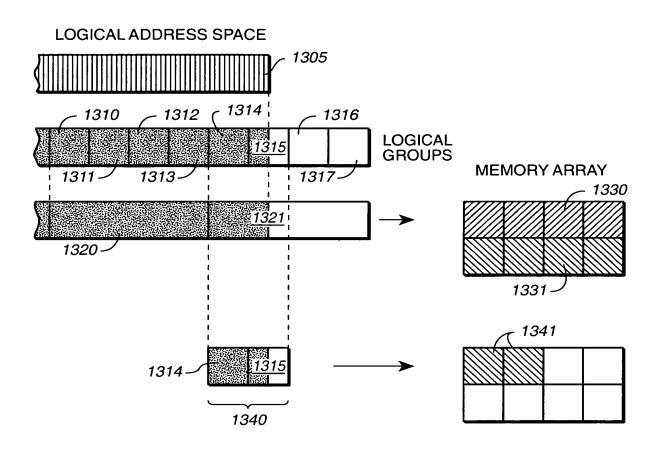


FIG._13

Docket No.: SNDK.337US0 Appin. No.: 10/749,189 Title: Adaptive Metablocks Inventor: Alan Welsh Sinclair

Inventor: Alan Welsh Sinclair Conf. No.: 9883
Filing Date: 12/30/03 Atty. Tel: (415) 318-1167 Sheet 13 of 23

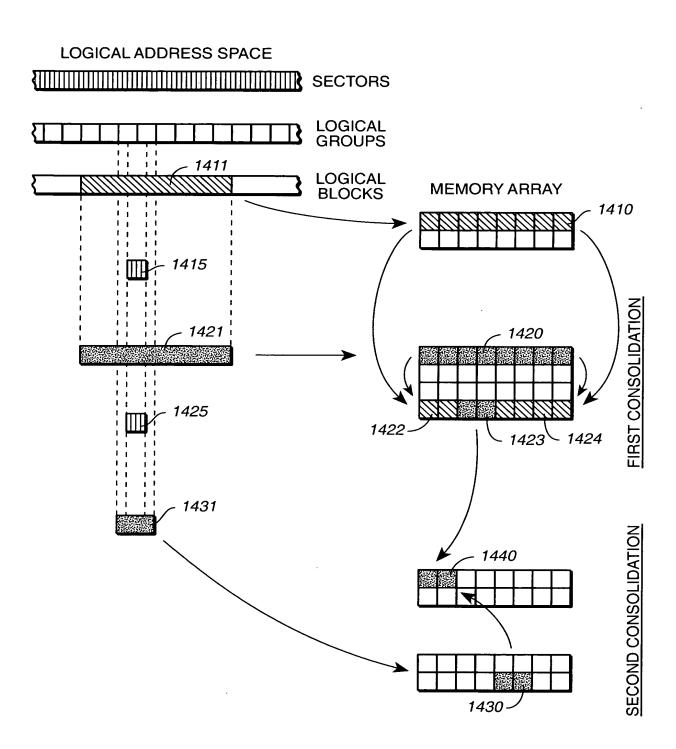


FIG._14

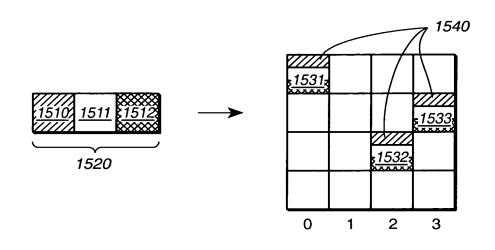


FIG._15A

MEMORY ARRAY

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 Title: Adaptive Metablocks
 Conf. No.: 9883

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| | 8 9 10 11 20 21 22 23 : : : : : : : : : : : : : : : : : : : | PLANE 3 |
|---|---|---------|
| | 4 5 6 7 16 17 18 19 : : : : : n-8 n-7 n-6 n-5 | PLANE 2 |
| | | PLANE 1 |
| 0 1 2 3 12 13 14 15 3 : : n-12 n-11 n-10 n-9 1531 | | PLANE 0 |

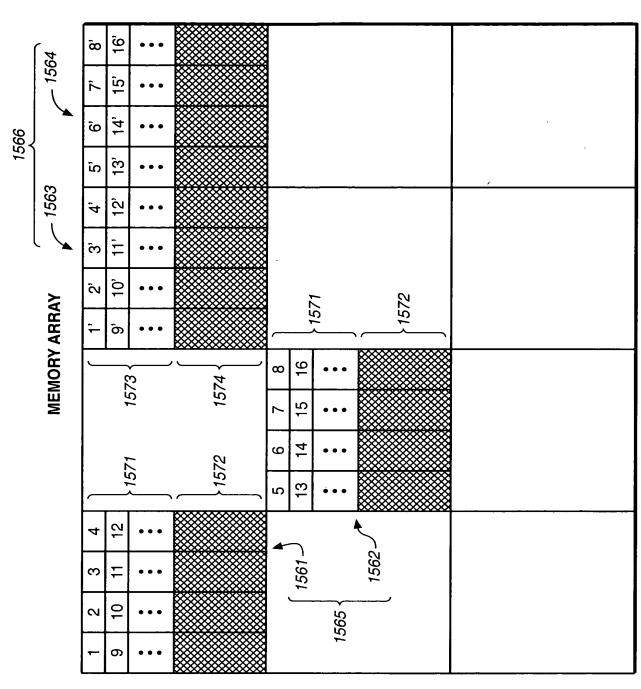
Docket No.: SNDK.337US0

Appln. No.: 10/749,189 Docket No.: SNDK.337US0
Title: Adaptive Metablocks
Inventor: Alan Welsh Sinclair
Filing Date: 12/30/03 Atty. Tel: (415) 318-1167 Sheet 16 of 23

| 1 | | | | | | | · | r | | | · · · · · · · · · · · · · · · · · · · | ~~~ | | | | | | |
|--------------|---|----|-----|--------|--|---|---|----|----------|--|---------------------------------------|-----|---|----|-------|-----|------|--|
| | , | | | | | | = | 23 | 'n | | | | | | | | | |
| | | | | | | | 9 | 22 | 2 | | | | | | | | | |
| | | | | | | | 6 | 21 | 4 | | | | | | | | | |
| | | | | | | , | 8 | 20 | 0, | | | | | | | | | |
| | | | | | | | | ì | <u> </u> | | | | 7 | 19 | 31 | 11, | | |
| | | | | | | | | | 1553 | | | | 9 | 18 | 30 | 10, | | |
| ΑY | | | | | | | | | | | | | 2 | 17 | 29 | 9, | | |
| MEMORY ARRAY | | | | | | | | ÷ | | | | | 4 | 16 | 28 | ω | | |
| MOR | | | | | | | | | | | | | | k | _ | | | |
| ME | | | | | | | | | | | | | | | 1552- | | | |
| | | | i | 7 1551 | | | | | | | | | | | · | | | |
| | | ١ | · · | 7 | | | | | | | | | | | | | | |
| | 3 | 15 | 27 | 7' | | | | | | | | | | | | | | |
| | 2 | 14 | 56 | 6, | | | | | | | | | | | | | | |
| | 1 | 13 | 25 | 5, | | | | | | | | | | | | | | |
| | 0 | 12 | 24 | 4, | | | | | | | | | | | | | | |
| • | | | | | | | | | | | | | | | | | | |

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Title: Adaptive Metablocks
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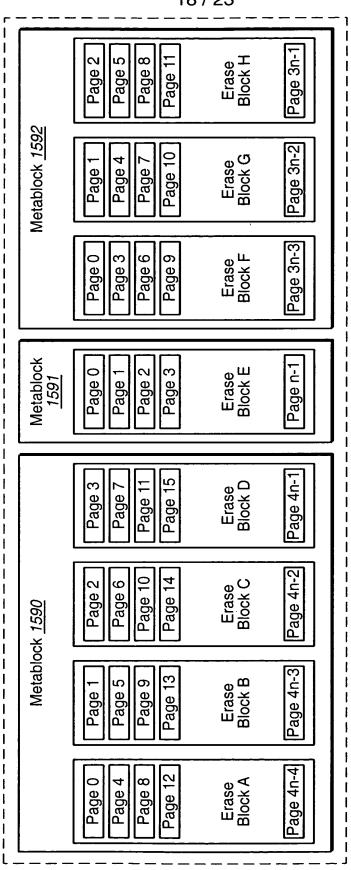


Appln. No.: 10/749,189

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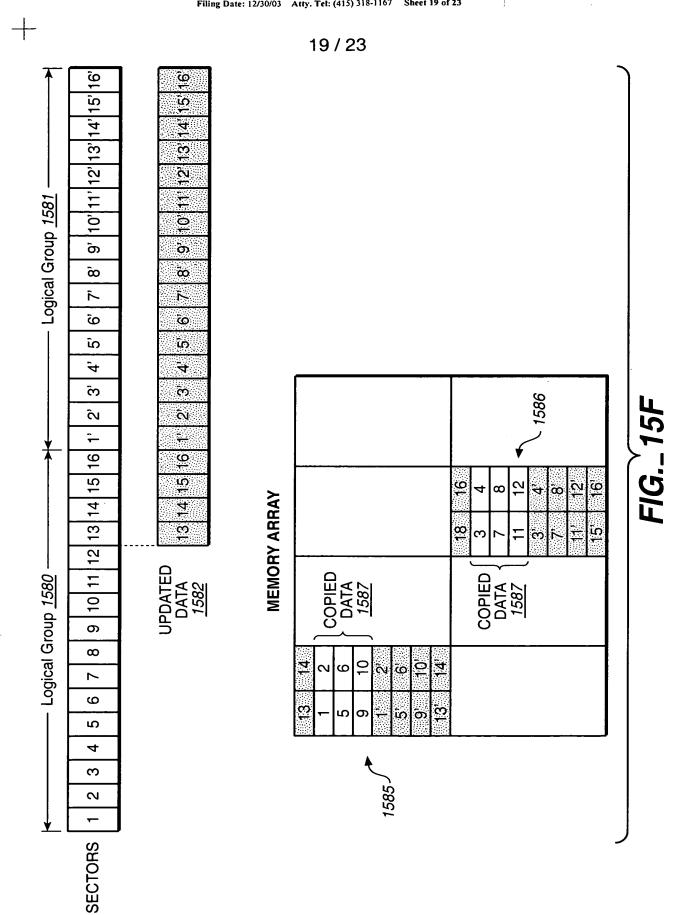
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PROGRAM BLOCK

FIG._ 15E



1

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| LOGICAL GROUP | SIZE | LOGICAL GROUP No. | BLOCK |
|------------------|------|----------------------|-------|
| L1 | 3 | 1 | Α |
| L2 | 3 | 2 | В |
| L3 | 3 | 3 | С |

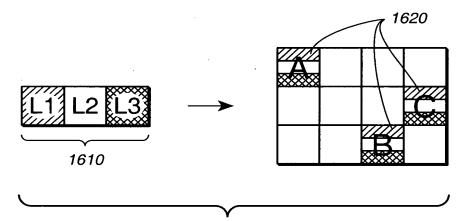
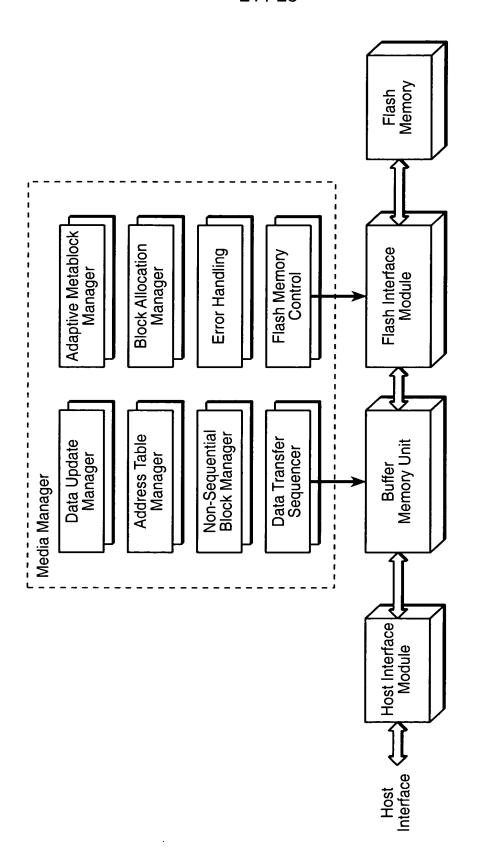


FIG._16

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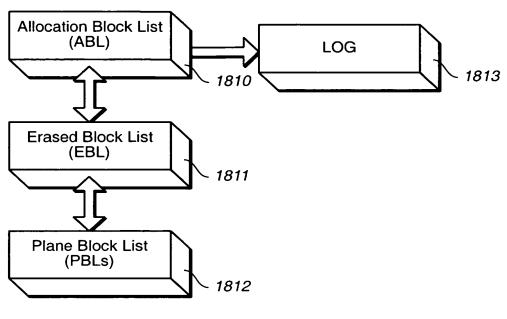


FIG._18A

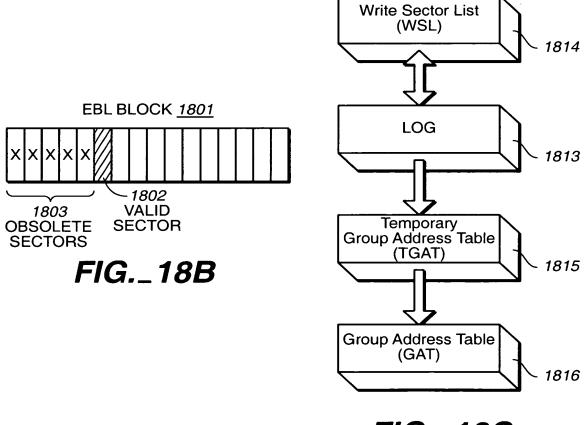


FIG._18C

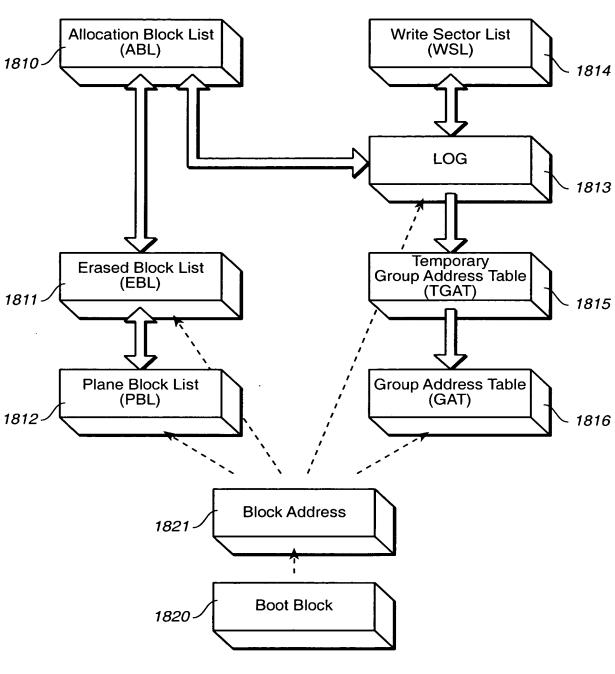


FIG._18D